

ABSTRACT

An object of the present invention is to provide an electro conductive tin oxide powder which is free from toxic dopant, e.g., antimony, which can provide excellent conductivity to a polymer, and easy to disperse in a paint and the conductive film formed shows excellent transparency; and also provide the method for producing an electro conductive tin oxide powder. In order to achieve the above objects, the present invention disclose the electro conductive tin oxide powder which is characterized in that it is free from a dopant and the paint prepared with it gives conductive film which shows a Haze value of 5% or less and surface resistance of $10^{10} \Omega/$ or less. The electro conductive tin oxide powder is produced by the method which is characterized in that steps for production are, adding a sodium stannate solution slowly into an aqueous acid solution till the solution pH goes down to 5 or under; followed by rinsing, followed by filtering and drying the resulting slurry and milling of the resulting dry powder and calcining of the milled powder in a non-oxidizing atmosphere.